

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Number: 7,414,349  
Issued: August 19, 2008  
Name of Patentee: Yukinori Sasaki  
Title of Invention: PIEZOELECTRIC VIBRATOR, FILTER USING THE SAME AND ITS ADJUSTING METHOD

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT**  
**FOR PTO MISTAKE (37 C.F.R. § 1.322(a))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attention: Decision and Certificate of Correction  
Branch of the Patent Issue Division

1. Attached is Form PTO/SB/44 being suitable for printing.
2. Correction of the Official Letters Patent is respectfully requested in view of the following text which appears correctly in the application file:

On the Cover Page of the Letters Patent, FIELD [56], References Cited, FOREIGN DOCUMENTS, please delete reference JP 62-081807 A 10/1985.

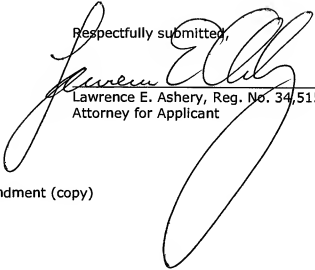
At Column 6, line 51, "inclusively" should read -- inclusive -- as indicated in the Preliminary Amendment filed October 3, 2007.

3. Please send the Certificate to:

Name: Lawrence E. Ashery  
P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

Name of Assignee: Matsushita Electric Industrial Co., Ltd.  
Assignment Recorded on: June 28, 2004  
Reel: 015823  
Frame: 0297

Respectfully submitted,



Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicant

LEA/so

Enclosure: Form PTO/SB/44  
Page 2 of Preliminary Amendment (copy)

Dated: October 13, 2008

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**COPY****Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application

## Listing of Claims:

1. (Currently Amended) A piezoelectric vibrator comprising:

a piezoelectric plate, having a polarization that points in a direction of a thickness of the piezoelectric plate, the piezoelectric plate having a first face and a second face;

a first electrode for covering the first face;

a second electrode for covering the second face;

a first dielectric film for covering the first electrode; and

a second dielectric film for covering the second electrode,

wherein the piezoelectric plate employs a thickness longitudinal vibration as a principal vibration,

the first dielectric film and the second dielectric film have substantially a same thickness, ~~and a~~ a substantially same area, and a substantially same geometric shape,

a ratio of a sum of a thickness ( $t_s$ ) of the first dielectric film and the second dielectric film to the thickness ( $t_p$ ) of the piezoelectric plate is provided in a range such that an electro-mechanical coupling factor is substantially constant,

wherein the range of the ratio ( $t_s/t_p$ ) is between 0.7 and 2.0, inclusive; ~~and,~~

~~the first dielectric film and the second dielectric film are formed to be substantially point symmetric with each other across the first face and the second face of the piezoelectric plate.~~

2. (Original) The piezoelectric vibrator of claim 1,

wherein the piezoelectric plate is made of aluminum nitride.

3. (Original) The piezoelectric vibrator of claim 1,

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO: 7,414,349  
APPLICATION NO.: 10/500,393  
DATED: AUGUST 19, 2008  
INVENTOR(S): YUKINORI SASAKI

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Cover Page of the Letters Patent, FIELD [56], References Cited, FOREIGN DOCUMENTS, please delete reference JP 62-081807 A 10/1985.

At Column 6, line 51, "inclusively" should read -- inclusive -- .

**Mailing Address of Sender:**

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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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